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| **Day 1**  Exploring Static Charges   * Electrostatic series * Insulators and conductors * Grounding | **Day 2**  Charging by contact and induction   * Laws of electric charges * Detecting charges * Electric field | **Day 3**  Charges at Work   * Lightning * Electronic waste   Demo: Ebonite Rod | **Day 4**  Cells and Batteries  - Types of Cells | **Day 5**  Quiz #1 (Day 1-Day3)  Demo: Magic Tricks |
| **Day 6**  Electric Circuits   * Unit of charge * Loads | **Day 7**  Simple Circuits   * Potential Difference * Potential Energy * Series/Parallel diagrams and symbols   Demo: Gizmo/Phet | **Day 8**  Electrical Resistance   * Ohm’s Law * Factors that affect resistance | **Day 9**  Series Circuits   * Loads * Measurements | **Day 10**  Parallel Circuits   * Loads * Measurements   Demo: Cheryl Activity |
| **Day 11**  Wet Lab: Playdough Lab | **Day 12**  Electricity at Home   * Direct and alternating current * Safety   Demo: Lemon Battery | **Day 13**  Quiz #2: (Day 6-10)  Presentation Prep | **Day 14**  Using Electrical Energy wisely   * Power ratings * Device energy and efficiency | **Day 15**  Meeting the demand for electricity  - Sources of power |
| **Day 16**  Computer Lab | **Day 17**  Presentation: Renewable Sources | **Day 18**  Presentation: Renewable Sources | **Day 19**  Review | **Day 20**  Unit Test |